IN THE CLAIMS:

Please amend the claims as follows:

Please cancel renumbered claims 1-24, 30-37, 40-43, 45, 46, 48-50 and 55-57 without prejudice. 1-24. (canceled)

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25. (currently amended) A <u>transgenic</u> plant cell comprising an endogenous nucleotide sequence identical <u>or at least 98% sequence similarity and encoding a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23, and wherein said plant cell comprises a mutation in said endogenous nucleotide sequence, or in a regulatory region thereof.</u>

26. (currently amended) The <u>transgenic plant cell</u> of claim 25, wherein the mutation is due to an insertion of a nucleic acid molecule.

27. (currently amended) The <u>transgenic</u> plant cell according to claim [25]<u>26</u>, wherein the insertion of a nucleic acid molecule comprises one T-DNA border region.

[29] 28. (currently amended) The <u>transgenic</u> plant cell according to claim [25] <u>27</u>, wherein the insertion comprises a transposable element.

30-37. (canceled)

38 [39]. (currently amended) A <u>transgenic plant or progeny thereof</u>, or seeds thereof comprising the plant cell of claim 25[, or progeny thereof, or seeds thereof].

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39 [40]. (currently amended) A transgenic plant or progeny thereof, or seeds thereof comprising the plant cell of claim 26[, or progeny thereof, or seeds thereof].

40-42. (canceléd)

43 [44]. (canceled)



44 [45]. (currently amended) [The method according to claim 44] A method for altering the expression in a plant cell or plant of an endogenous nucleotide sequence encoding a polypeptide comprising a 3'-5' exonuclease domain, wherein said polypeptide is identical to SEQ ID NO:24,

wherein altering the transcription or translation of said endogenous nucleotide sequence in the plant cell or plant comprises the step of:

- a) expressing in said plant cell a nucleotide sequence identical or has at least 98% sequence similarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1,SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23, or a portion thereof, in sense orientation; or
- b) expressing in said plant cell a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23, or a portion thereof, in antisense orientation; or</u>
- c) expressing in said plant cell a sense RNA of a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease acitivity</u> [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23, or a portion thereof, and an antisense RNA of said nucleotide sequence identical <u>or has at least 98% sequence similiarity [or substantially similar]</u> to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23, or a portion thereof, wherein said sense and said anti-sense RNAs are capable of forming a double-stranded RNA molecule; or
- d) expressing in said plant cell a ribozyme capable of specifically cleaving a messenger RNA transcript encoded by a nucleotide sequence identical or has at least 98% sequence similarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23; or
- e) [modifying by homologous recombination in said plant cell at least one chromosomal copy of the nucleotide sequence identical or substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or SEQ ID NO:23 or of a regulatory region thereof; or
- f)] expressing in said plant cell a zinc finger protein that is capable of binding to a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity</u> [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23 or to a regulatory region thereof[; or

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45 [46]. (canceled)

thereof.

46 [47]. (canceled)

47 [48]. (currently amended) [The method according to claim 47], A method for altering the expression of a nucleotide sequence of interest in a plant cell or plant comprising the steps of:

a) altering the expression in said plant cell or plant of an endogenous nucleotide sequence of said plant cell that is identical or having at least 98% sequence similarity to SEQ ID NO:23; wherein step a) comprises:

[a]i) expressing in said plant cell or plant a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity</u> [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:17, or] SEQ ID NO:23, or a portion thereof, in sense orientation; or

[b]ii) expressing in said plant cell or plant a nucleotide sequence identical or has at least 98% sequence similarity and encodes a polypeptide having 3'-5' exonuclease acitivity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23 or a portion thereof, in anti-sense orientation; or

[c] <u>iii</u>) expressing in said plant cell or plant a sense RNA of a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity</u> [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ IDNO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:17, or] SEQ ID NO:23, or a portion thereof, and an anti-sense RNA of said nucleotide sequence that has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease acitivity [substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ



ID NO:7, SEQ ID NO:21, SEQ ID NO:9,SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15 or SEQ ID NO:17, or] SEQ ID NO:23 or a portion thereof, wherein said sense and said antisense RNAs are capable of forming a double-stranded RNA molecule; or

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- [d] <u>iv</u>) expressing in said plant cell or plant a ribozyme capable of specifically cleaving a messenger RNA transcript encoded by a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23; or</u>
- [e) modifying by homologous recombination in said plant cell or plant at least one chromosomal copy of the nucleotide sequence substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or SEQ ID NO:23 or of a regulatory region thereof; or
- f] \underline{v}) expressing in said plant cell or plant a zinc finger protein that is capable of binding to a nucleotide sequence [substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23 or to a regulatory region thereof[; or
- g) introducing into said plant cell or plant a chimeric oligonucleotide that is capable of modifying at least one chromosomal copy of the nucleotide sequence identical or substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ IDNO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or SEQ ID NO:23 or a regulatory region thereof]
- f) modifying by insertional mutagenesis in said plant cell at least one chromosomal copy of the nucleotide sequence identical or having at least 98% sequence similarity and encoding a polypeptide having 3'-5' exonuclease activity to SEQ ID NO:23 or of a regulatory region thereof; and
- b) introducing into said plant cell or plant a nucleic acid molecule comprising said nucleotide sequence of interest, wherein the expression of said nucleotide sequence of interest in said plant cell or plant is altered.

48-50. (canceled)



- 51 [52]. (currently amended) A method for stabilizing the expression of [a] <u>an exogenous nucleotide</u> sequence of interest in a <u>transgenic plant</u> cell or plant comprising the steps of:
 - a) obtaining a <u>transgenic</u> plant cell or plant having altered expression [in a plant cell] of an endogenous nucleotide sequence of said plant cell or plant <u>comprising a first expression</u> <u>cassette</u> that encodes a polypeptide comprising a 3'-5' exonuclease domain, and wherein

said polypeptide is identical [or substantially similar] to an amino acid sequence of [SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:22, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14, or] SEQ ID NO:24; and

b) introducing into said <u>transgenic plant cell or plant [a] an exogenous nucleotide sequence</u> of interest,

wherein the expression of said <u>exogenous</u> nucleotide sequence of interest in said <u>transgenic</u> plant cell is stabilized as compared to the expression of said nucleotide sequence of interest in a plant cell or plant lacking said first expression cassette.

52 [53]. (currently amended) The method according to claim [52] <u>51</u>, wherein said endogenous nucleotide sequence is identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to a nucleotide sequence selected from the group consisting of [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23.</u>

53 [54].(currently amended) The method according to claim [52] <u>51</u>, wherein the expression of said endogenous nucleotide sequence is altered by:

- a) expressing in said plant cell a nucleotide sequence or has at least 98% sequence similarity and encodes a polypeptide having 3'-5' exonuclease activity [substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:17 or] SEQ ID NO:23, or a portion thereof, in sense orientation; or
- b) expressing in said plant cell a nucleotide sequence <u>or has at least 98% sequence</u> <u>similiarity and encodes a polypeptide having 3'-5' exonuclease activity</u> [substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13 or] SEQ ID NO:23, or a portion thereof, in anti-sense orientation; or
- c) expressing in said plant cell a sense RNA of a nucleotide sequence identical <u>or has at least 98% sequence similiarity and encodes a polypeptide having 3'-5' exonuclease activity</u> [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23 or a portion thereof, and an anti-sense RNA of said nucleotide sequence [substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23 or a portion thereof, wherein said sense and said anti-sense RNAs are capable of forming a double-stranded RNA molecule; or

- d) expressing in said plant cell a ribozyme capable of specifically cleaving a messenger RNA transcript encoded by a nucleotide sequence identical or has at least 98% sequence similarity and encodes a polypeptide having 3'-5' exonuclease activity [or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13; or] SEQ ID NO:23 or
 - e) expressing in said plant cell an aptamer specifically directed to a polypeptide of [substantially similar to SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:24 or NO:22, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14; or] SEQ ID NO:24 or
- f) [modifying by homologous recombination in said plant cell at least one chromosomal copy of the nucleotide sequence identical or substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or SEQ ID NO:23 or of a regulatory region thereof; or
- g) expressing in said plant cell a zinc finger protein that is capable of binding to a nucleotide sequence substantially similar to SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or SEQ ID NO:23 or to a regulatory region thereof; or]
- f [h]) introducing into said plant cell a chimeric oligonucleotide that is capable of modifying at least one chromosomal copy of the nucleotide sequence that has at least 98% sequence identity and encodes a polypeptide having 3'-5' exonuclease activity [identical or substantially similar] to [SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ IDNO:21, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, or] SEQ ID NO:23 or a regulatory region thereof; or
- g) modifying by insertional mutagenesis in said plant cell at least one chromosomal copy of the nucleotide sequence identical or having at least 98% sequence similarity and encoding a polypeptide having 3'-5' exonuclease activity to SEQ ID NO:23 or of a regulatory region thereof.

54 [55]. (currently amended) The method according to claim 53 [54], wherein the expression [in a plant cell] of said endogenous nucleotide sequence is reduced.

55-57. (eanceled)

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58 [59]. (currently amended) The transgenic [A] plant cell of claim 25, wherein the mutation is a deletion or rearrangement.

59 [60]. (currently amended) [A] <u>The transgenic</u> plant cell of claim 25, wherein the mutation is a point mutation.